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```

**          **** **          ***          ** *
IL-7human   .VSFRYIFGL PPLILVLLPV ASSDCDIEGK DGKQYESVLM
IL-7sheep   .VSFRYIFGI PPLILVLLPV ASSDCDFSGK DGGAYQNVLM
IL-7bovin   .VSFRYIFGI PPLILVLLPV ASSDCDISGK DGGAYQNVLM
IL-7mouse   .VSFRYIFGI PPLILVLLPV TSSECHIKDK EGKAYESVLM
IL-7rat      .VSFRYIFGI PPLILVLLPV TSSDCHIKDK DGKAFGSVLM
ILB50human  MFPFALLYVL SVSFRKIFIL QLVGLVLT.Y DFTNCDFE.K IKAAYLSTIS
                                     -----
                                     helix A

*          * **          * *
IL-7human   VSIDQLLDSM KEIGSNCLNN EFNFFKRHC DANKEGMFLF RAARKLRQFL
IL-7sheep   VSIDDL.DNM INFDSNCLNN EPNFFKKHSC DDNKEASFNL RAARKLKQFL
IL-7bovin   VNIDDL.DNM INFDSNCLNN EPNFFKKHSC DDNKEASFNL RASRKLKQFL
IL-7mouse   ISIDEL.DKM TGTDNSNCPNN EPNFFKRHVC DDTKEAAFLN RAARKLKQFL
IL-7rat      ISINQL.DKM TGTDSDDCPNN EPNFFKKHLC DDTKEAAFLN RAARKLRQFL
ILB50human  KDLITY...M SGTGSTEFNN TVSCSNRPHC LTEIQSLTFN PTAGCASLAK
                                     ^^^^
                                     -----
                                     strand 1      helix B

```

FIG. 1A

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IL-7human	*	KMNSTGDFDL	HLLKVSEGT	ILNCTGQVK	GRKPAALGEA	QPTKSLEENK	*
IL-7sheep		KMNISDDFKL	HLSTVSQGT	TLLNCTSKGK	GRKPPSLGEA	QPTKNLEENK	
IL-7bovin		KMNISDDFKL	HLSTVSQGT	TLLNCTSKGK	GRKPPSLSEA	QPTKNLEENK	
IL-7mouse		KMNISEEFNV	HLLTVSQGT	TLVNCTSK..	EEK	
IL-7rat		KMNISEEFND	HLLRVSDGT	TLVNCTSK..	EEK	
ILB50human		EMFAMKTKAA	LAIWCPGYSE	TQINATQA..	MK	

		helix C					
IL-7human	*	SLKEQKKLND	LCFLKRLLQE	IKTCWNKILM	GTKEH		
IL-7sheep		SLKEQKKQND	LCFLKILLQK	IKTCWNKILR	GITEH		
IL-7bovin		SSKEQKKQND	LCFLKILLQK	IKTCWNKILR	GIKEH		
IL-7mouse		NVKEQKK.ND	ACFLKRLLRE	IKTCWNKILK	GSI..		
IL-7rat		TIKEQKK.ND	PCFLKRLLRE	IKTCWNKILK	GSI..		
ILB50human		KRRKRKVTN	KCLEQVSQIQ	GLWRRFRNRP	LKQQ.		
		^^^	-----				
		strand 2		helix D			

FIG. 1B

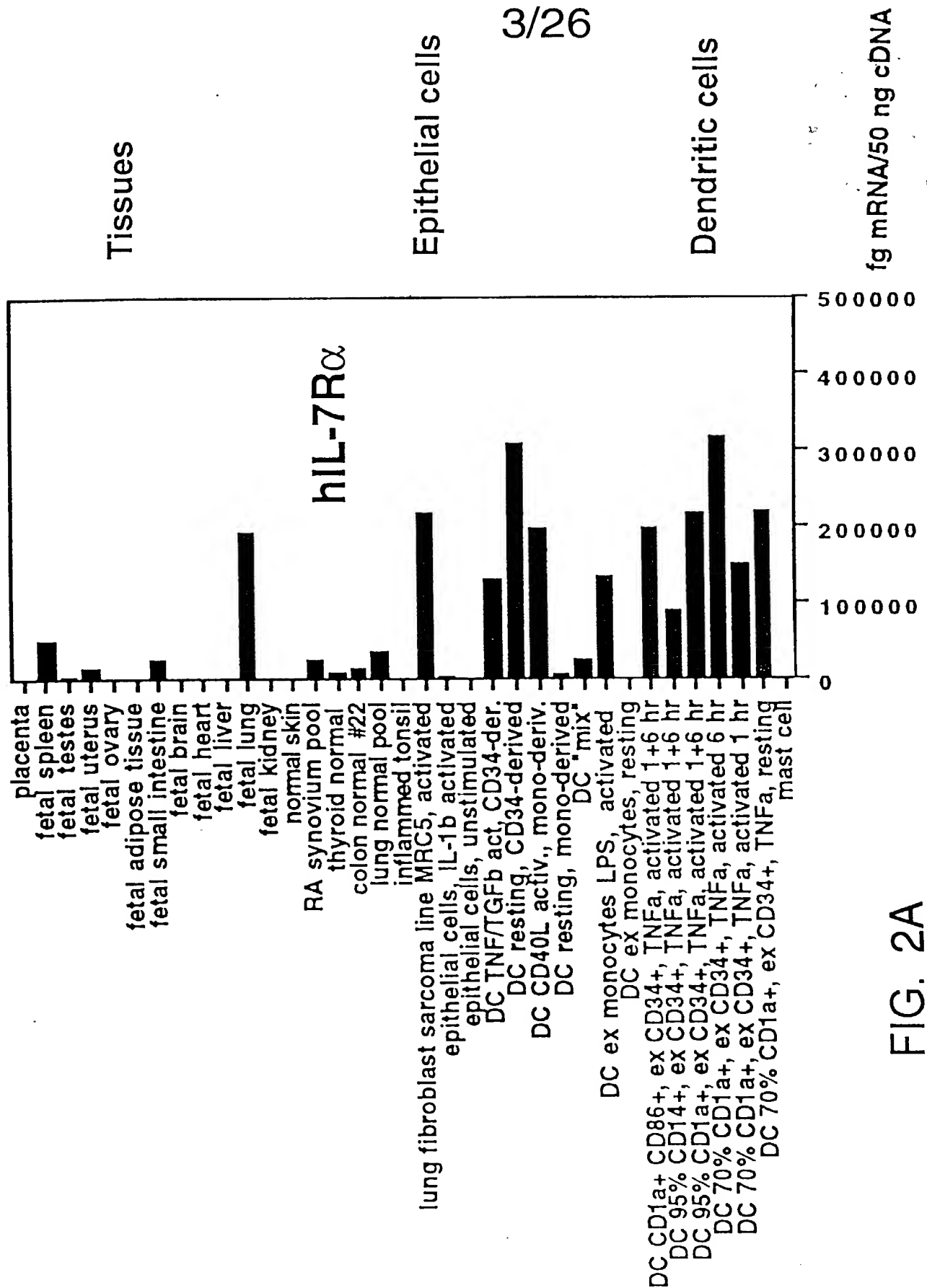


FIG. 2A

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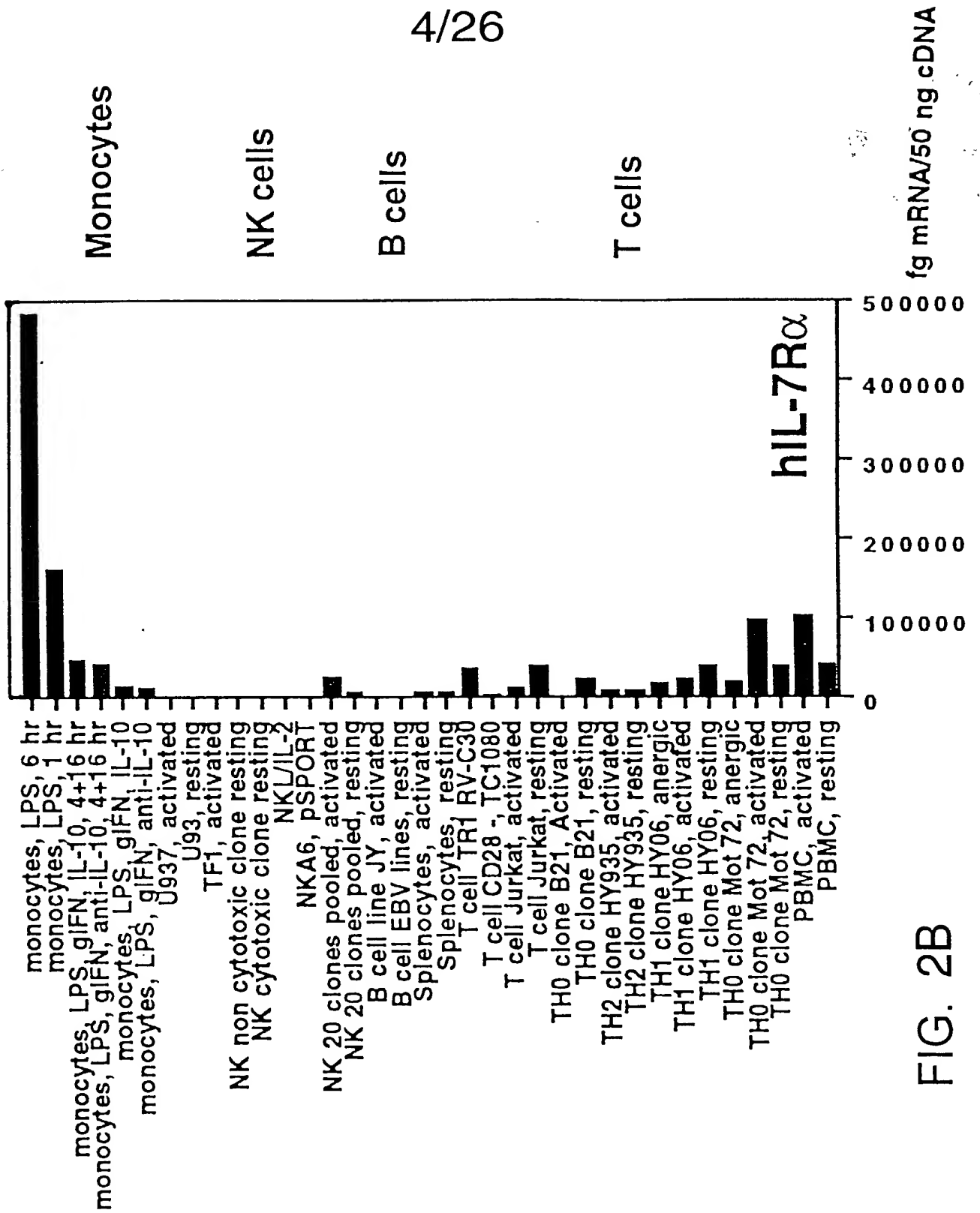


FIG. 2B

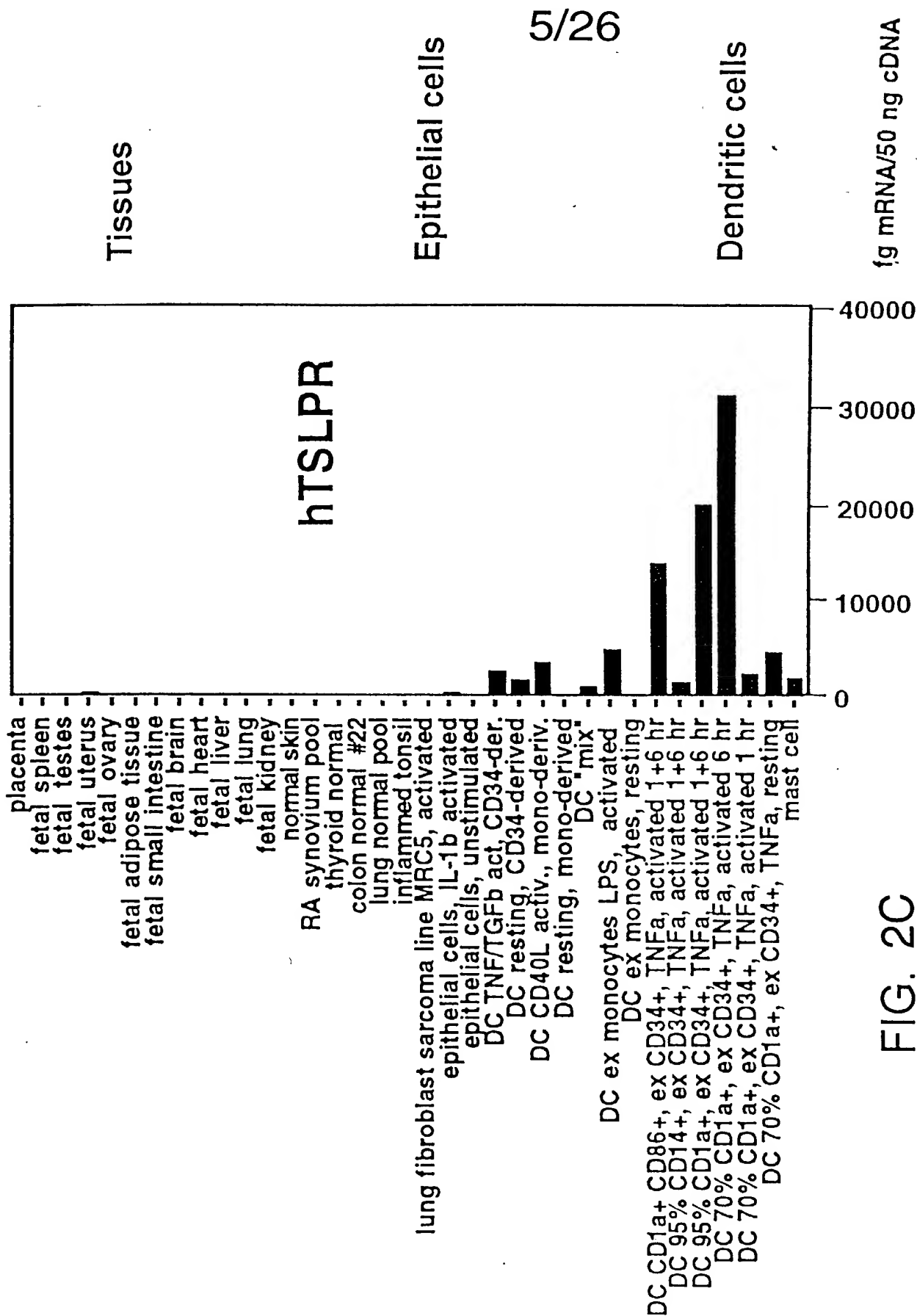


FIG. 2C

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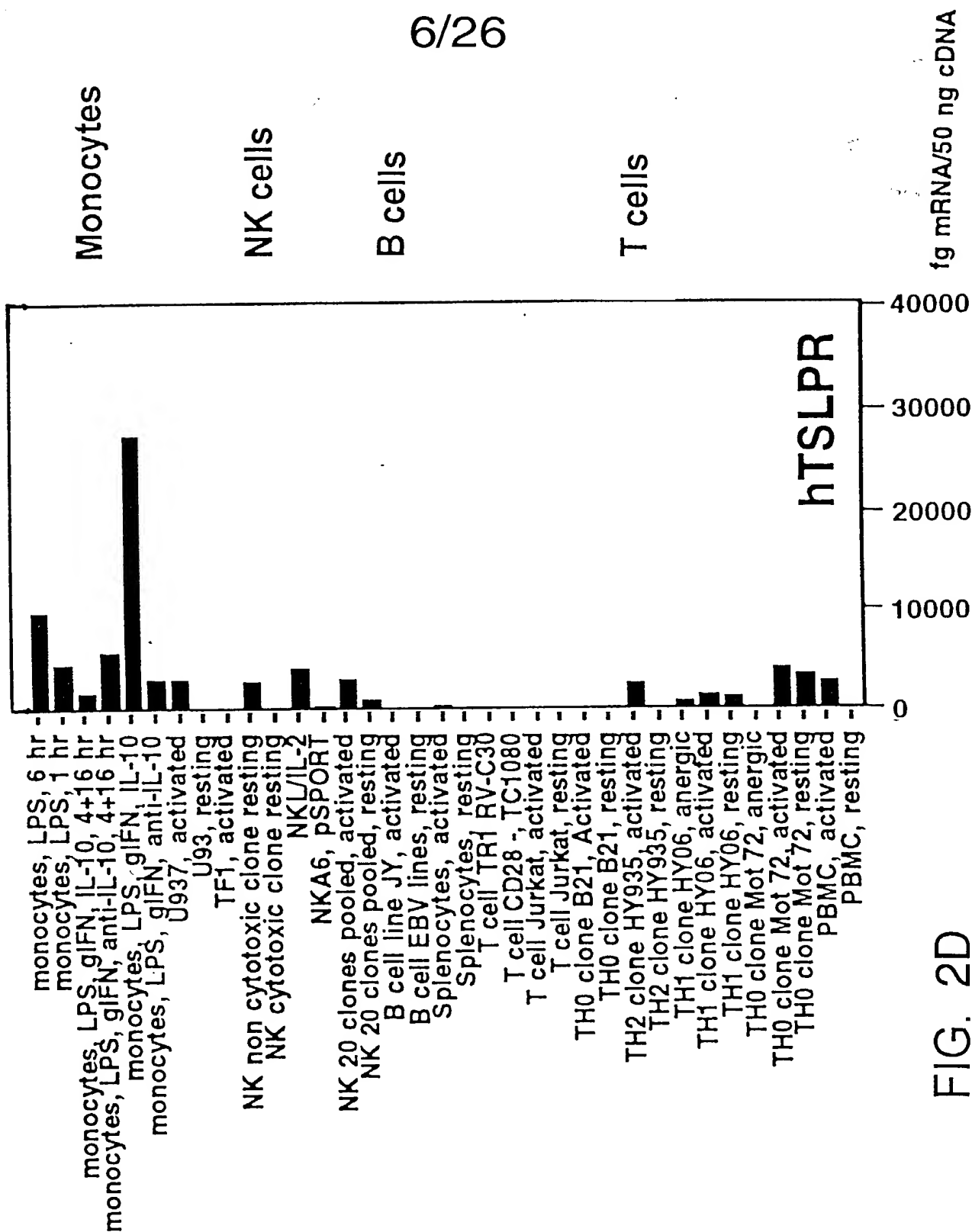


FIG. 2D

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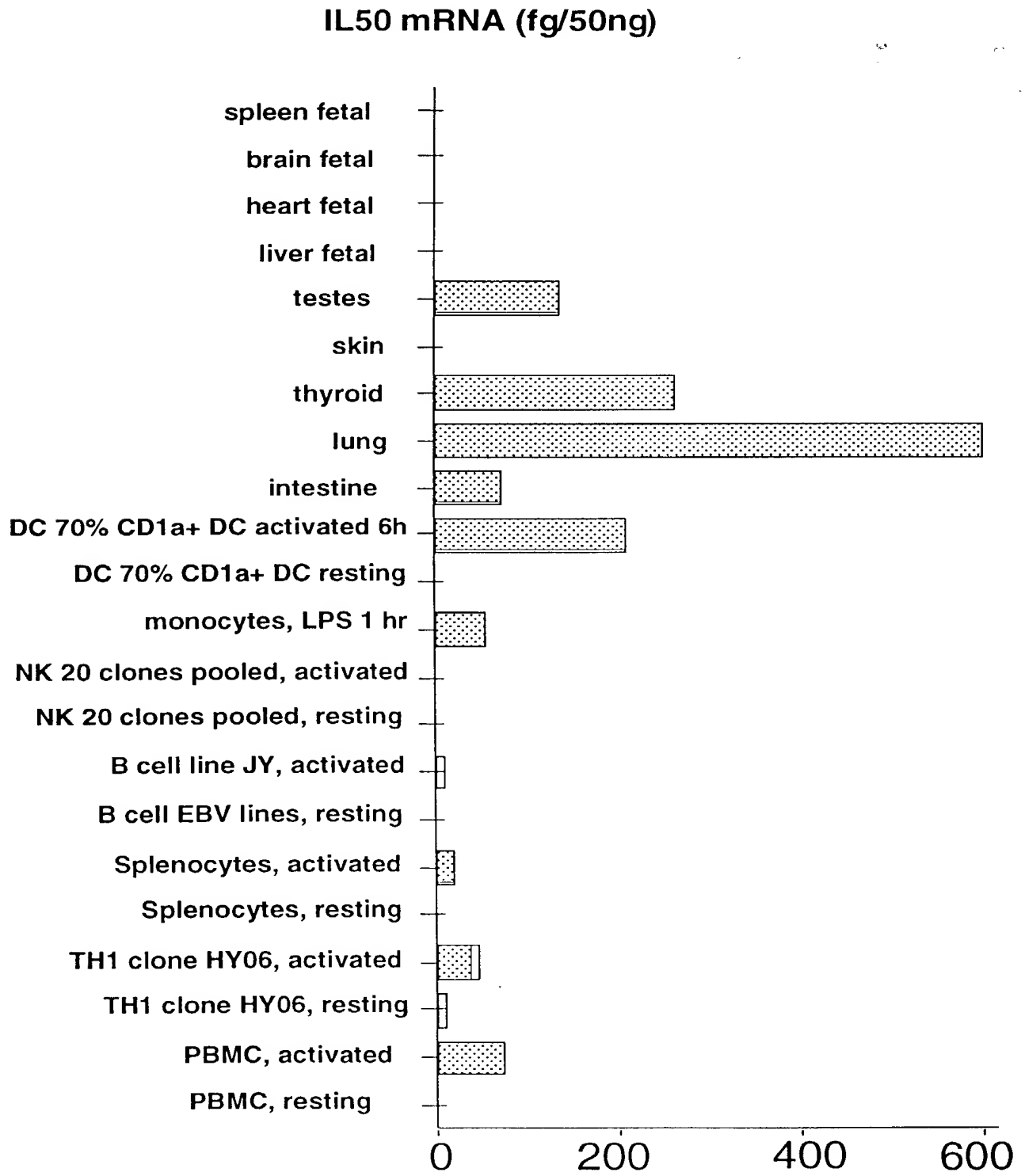


FIG. 2E

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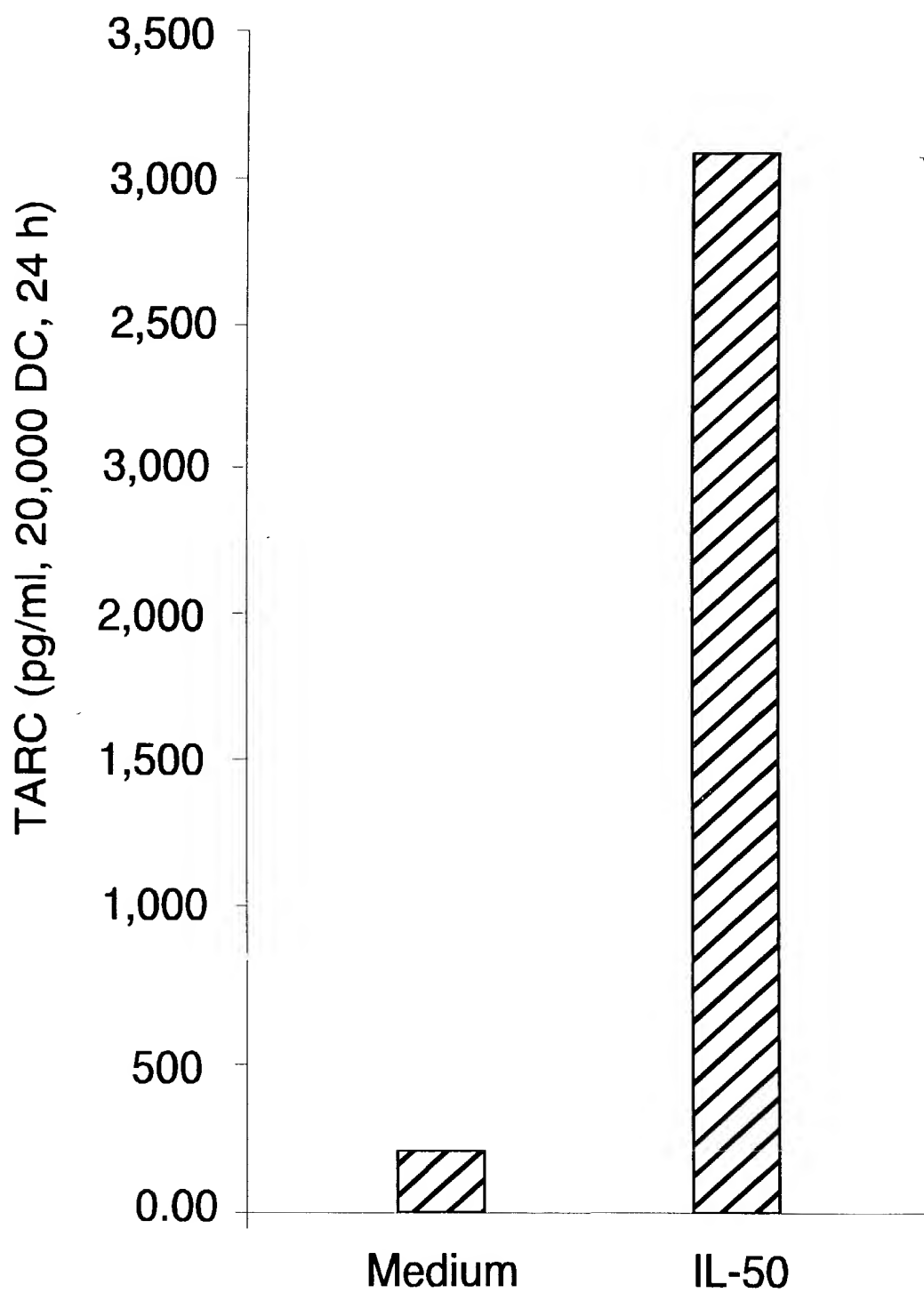


FIG. 3

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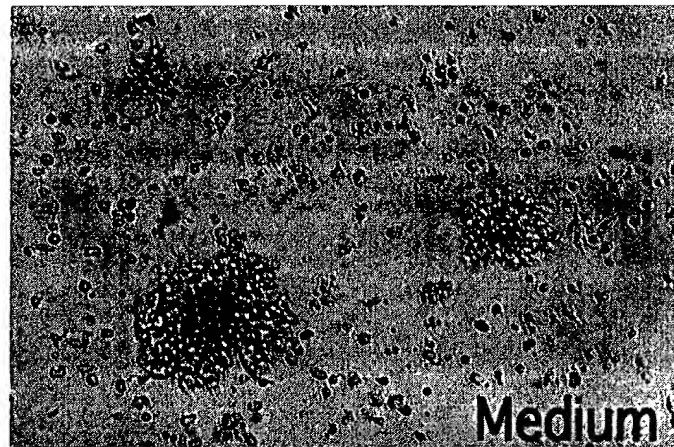


FIG. 4A

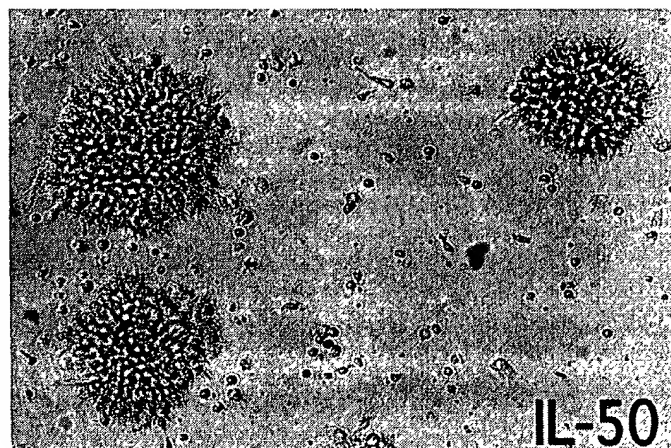


FIG. 4B

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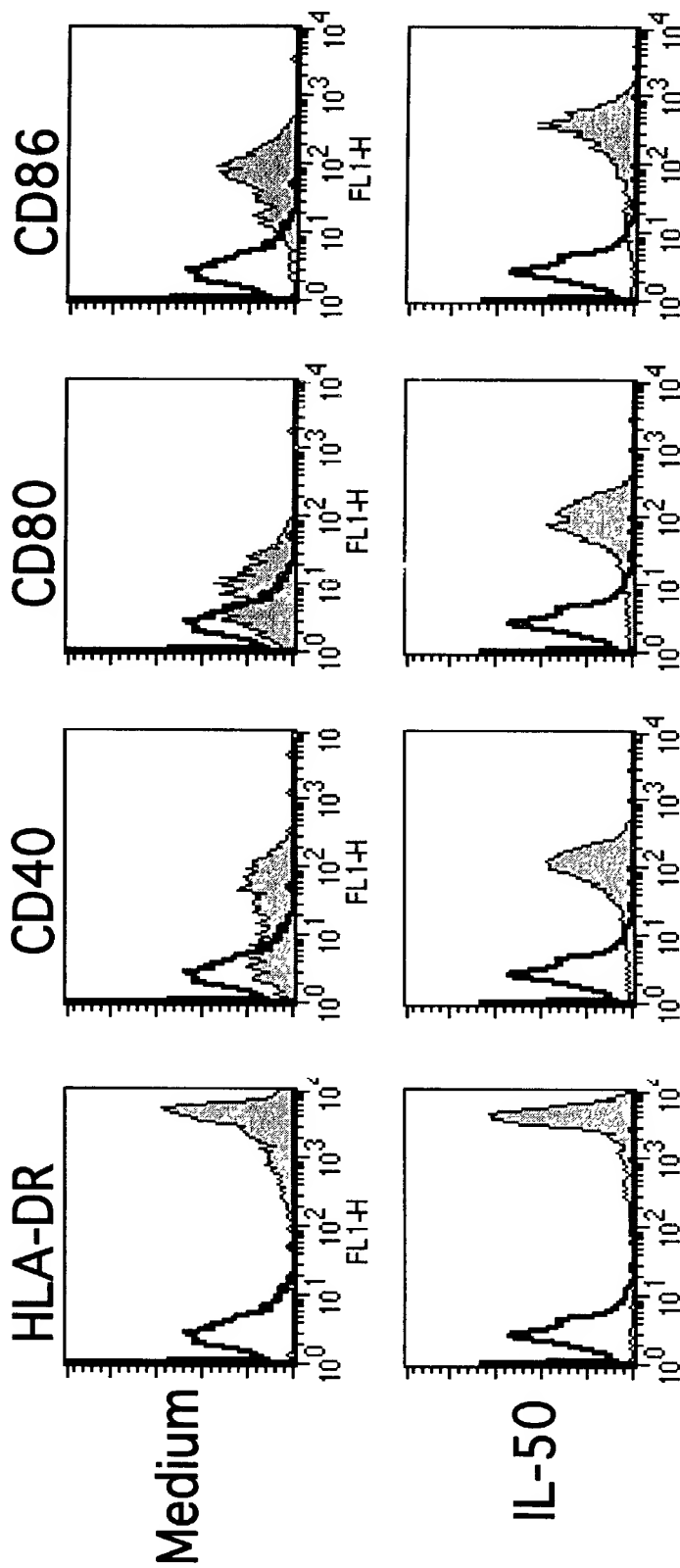


FIG. 5

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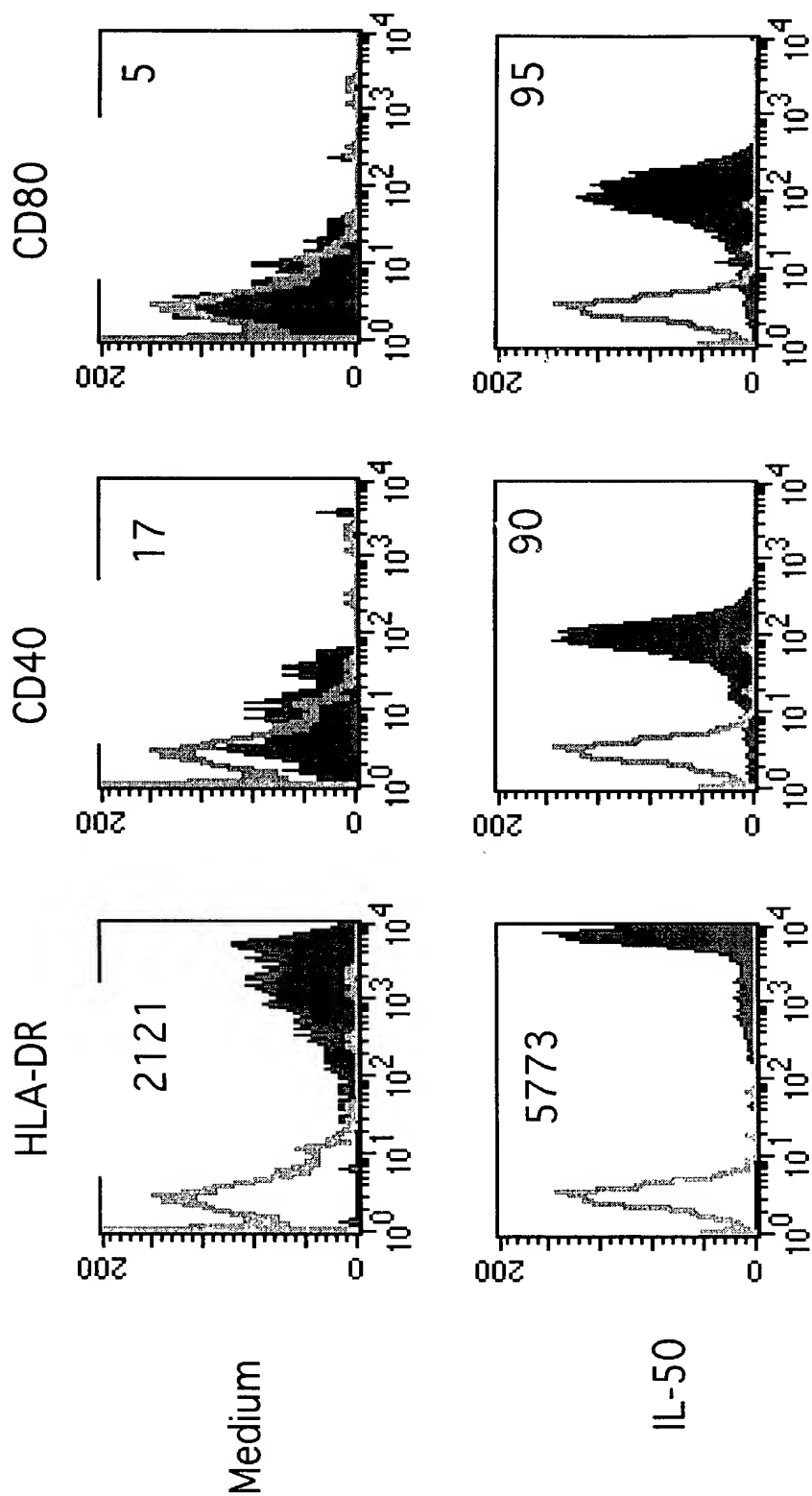


FIG. 6A

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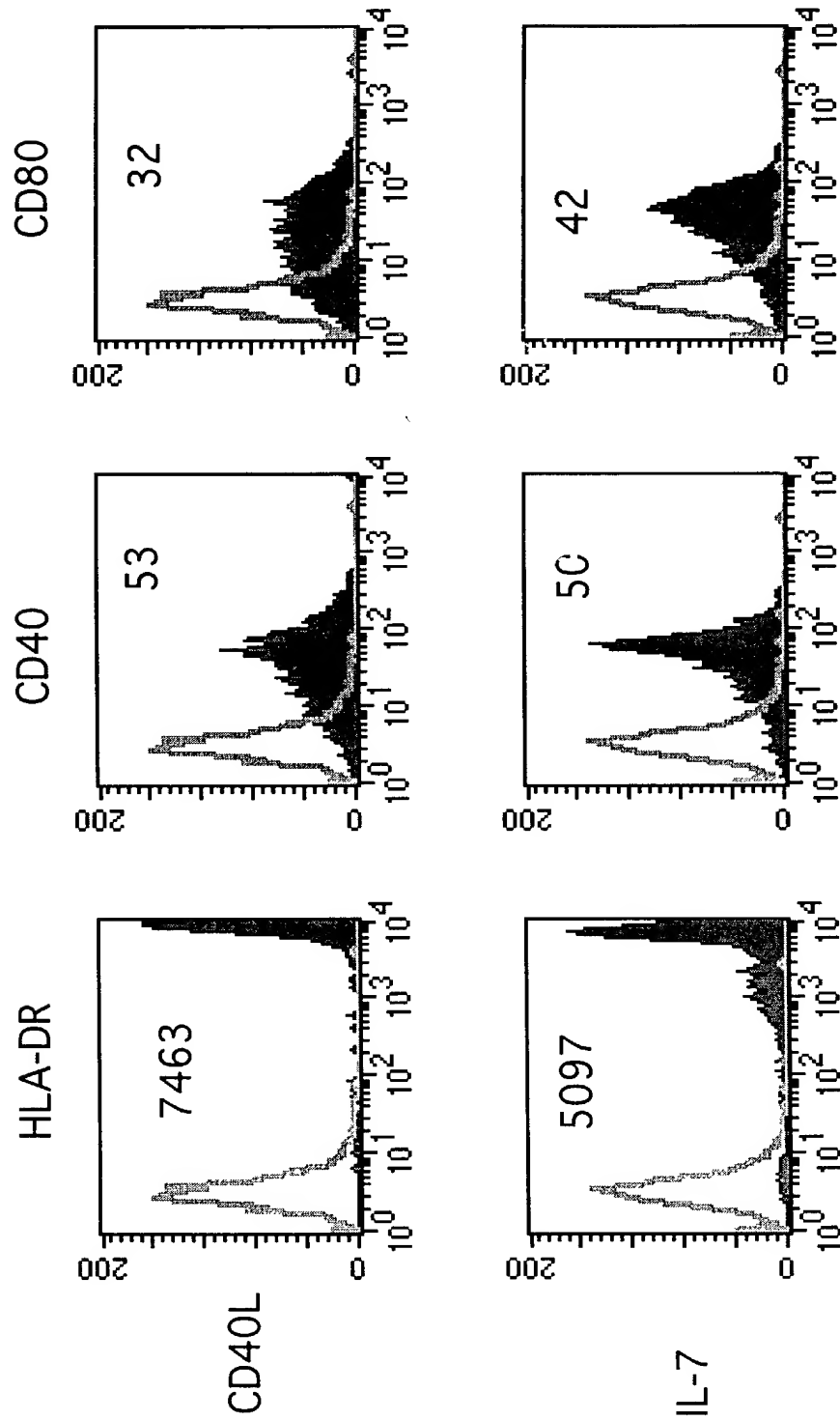


FIG. 6B

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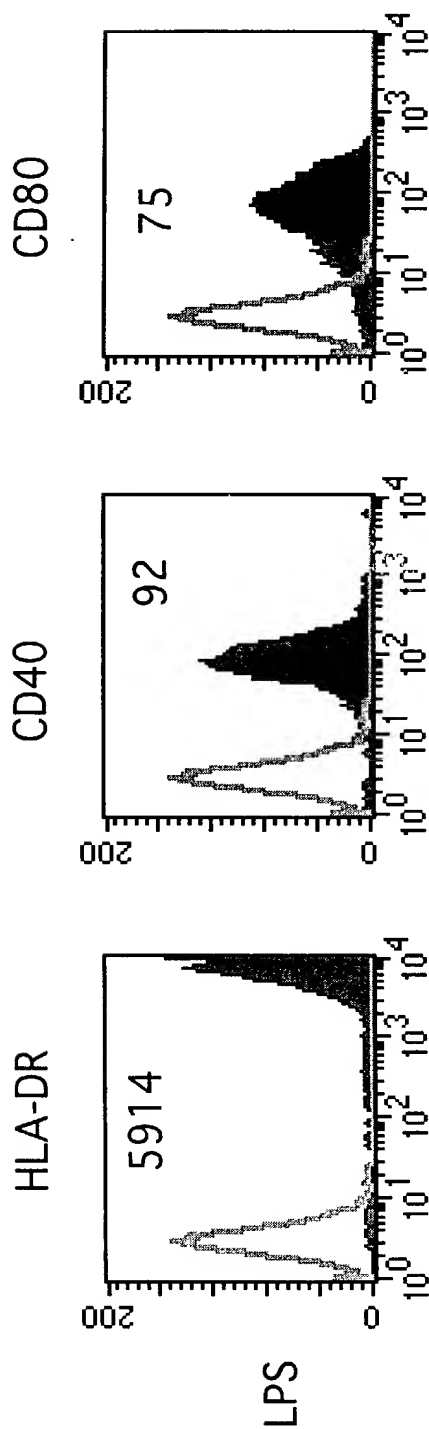


FIG. 6C

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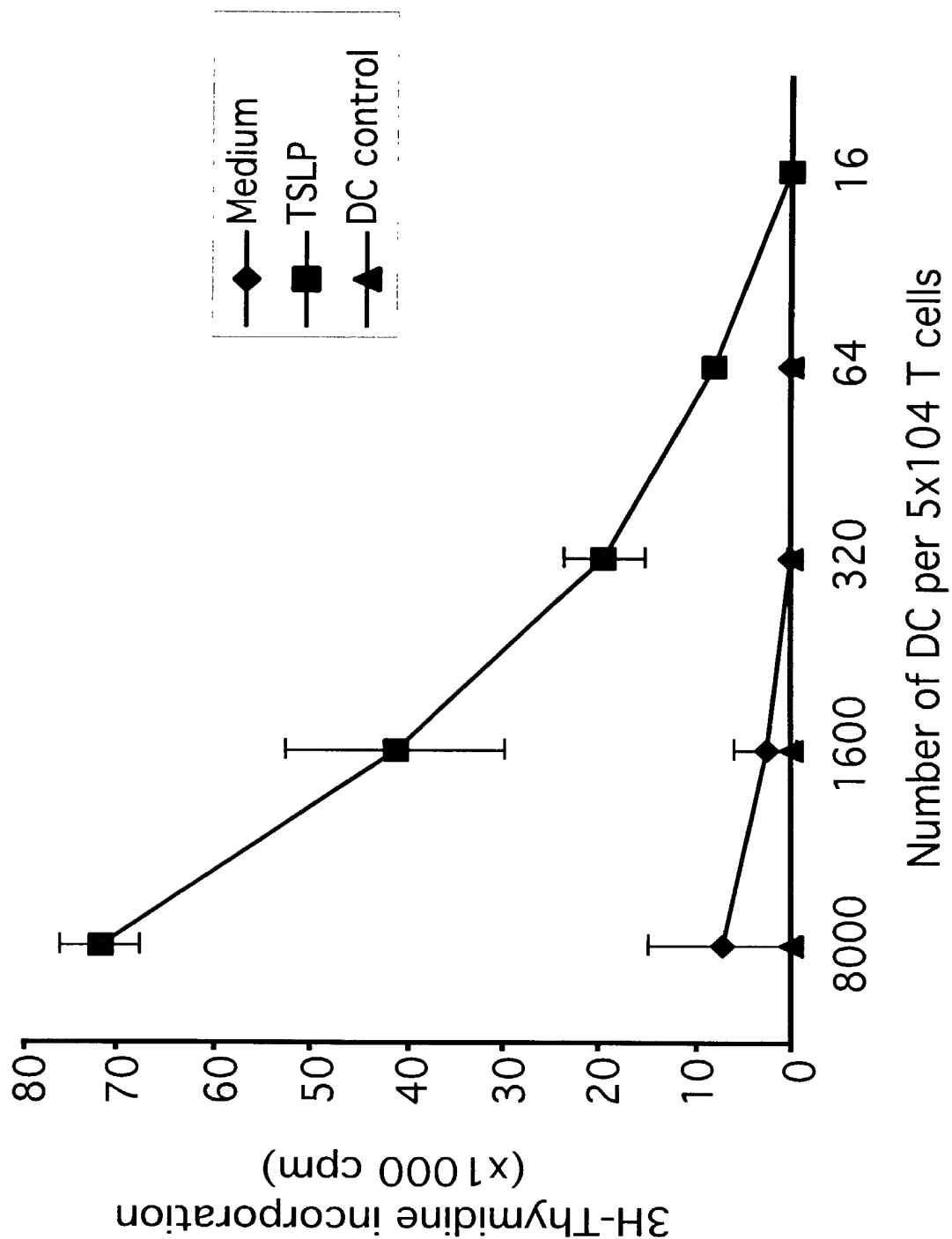


FIG. 7

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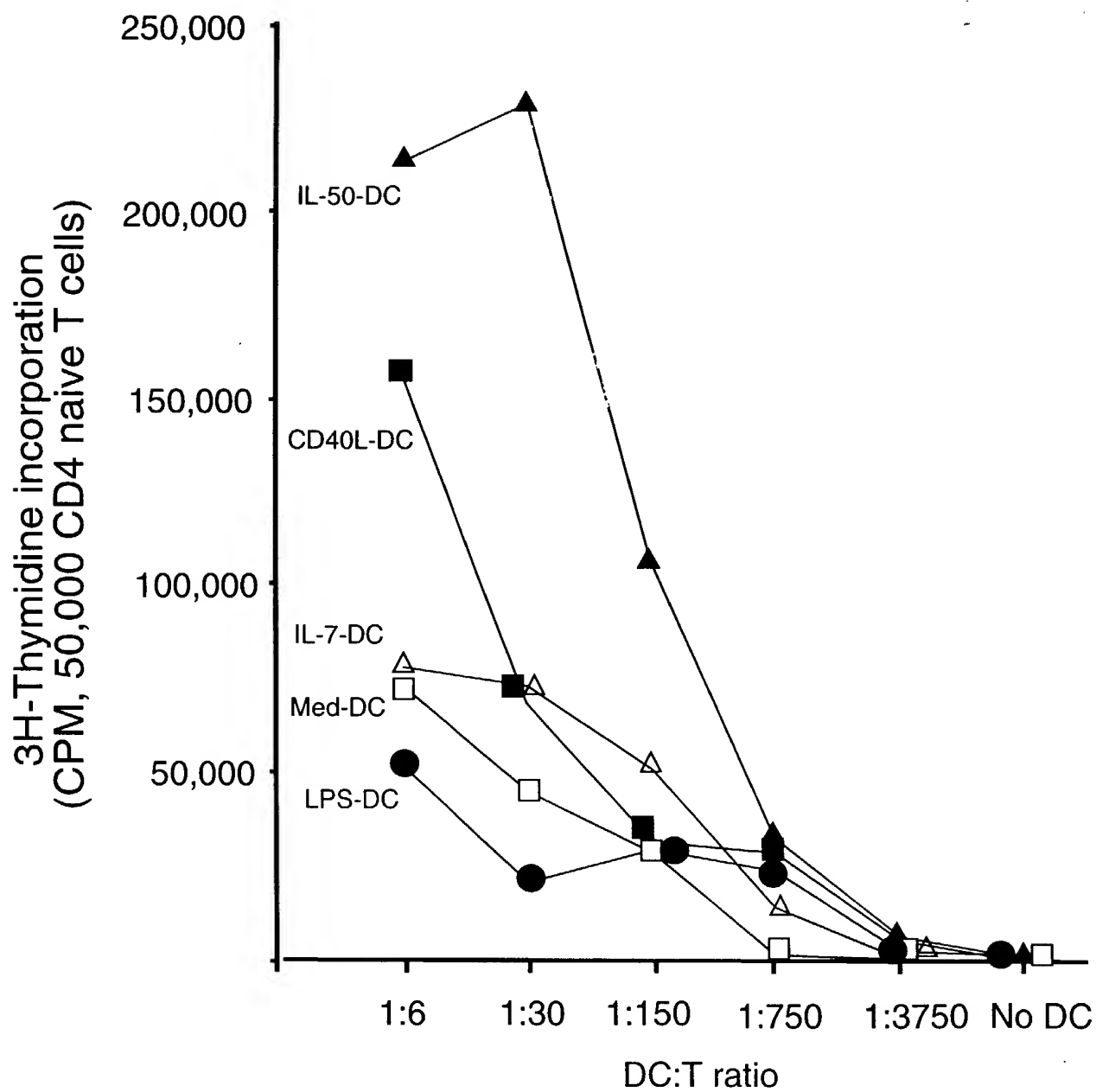


FIG. 8

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IL-4

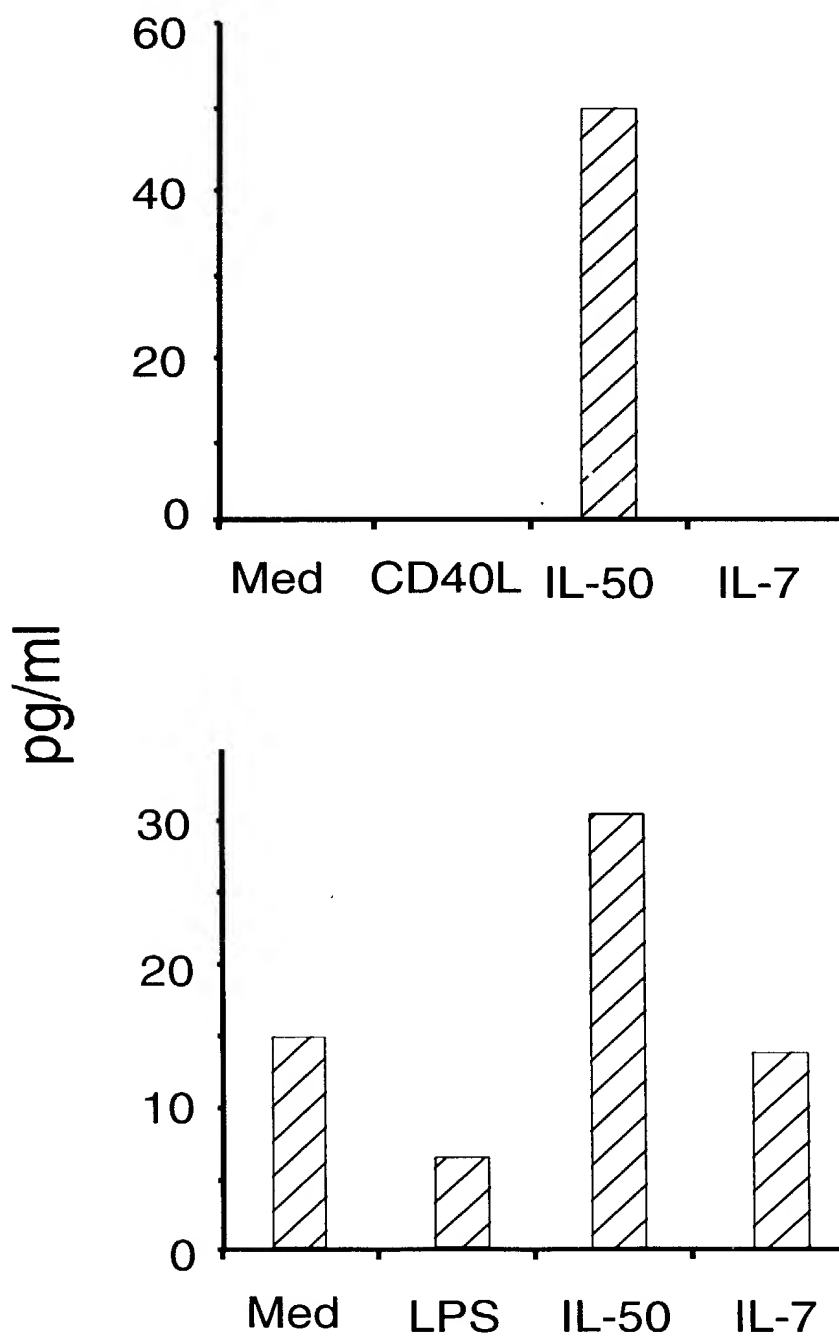


FIG. 9A

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IL-13

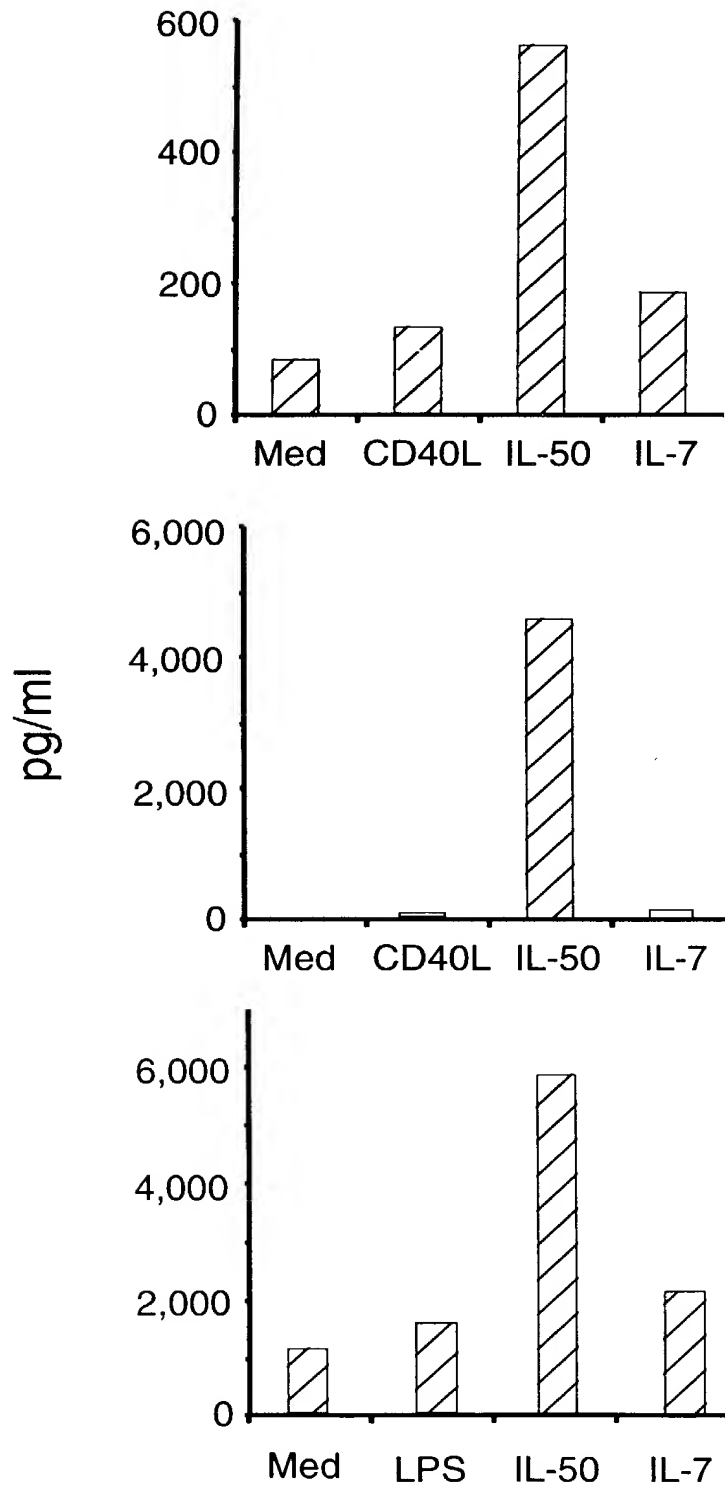


FIG. 9B

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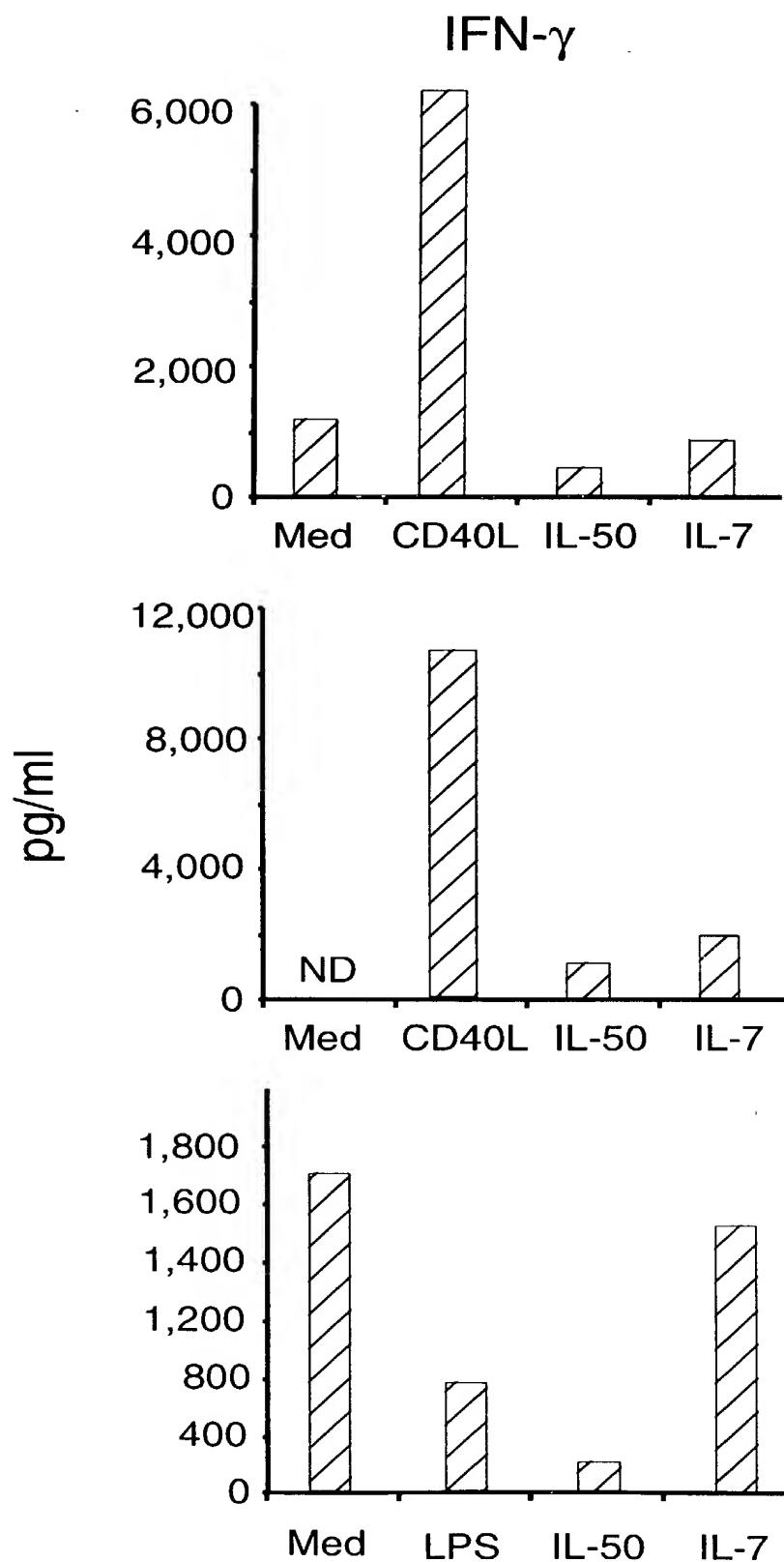


FIG. 9C

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IL-10

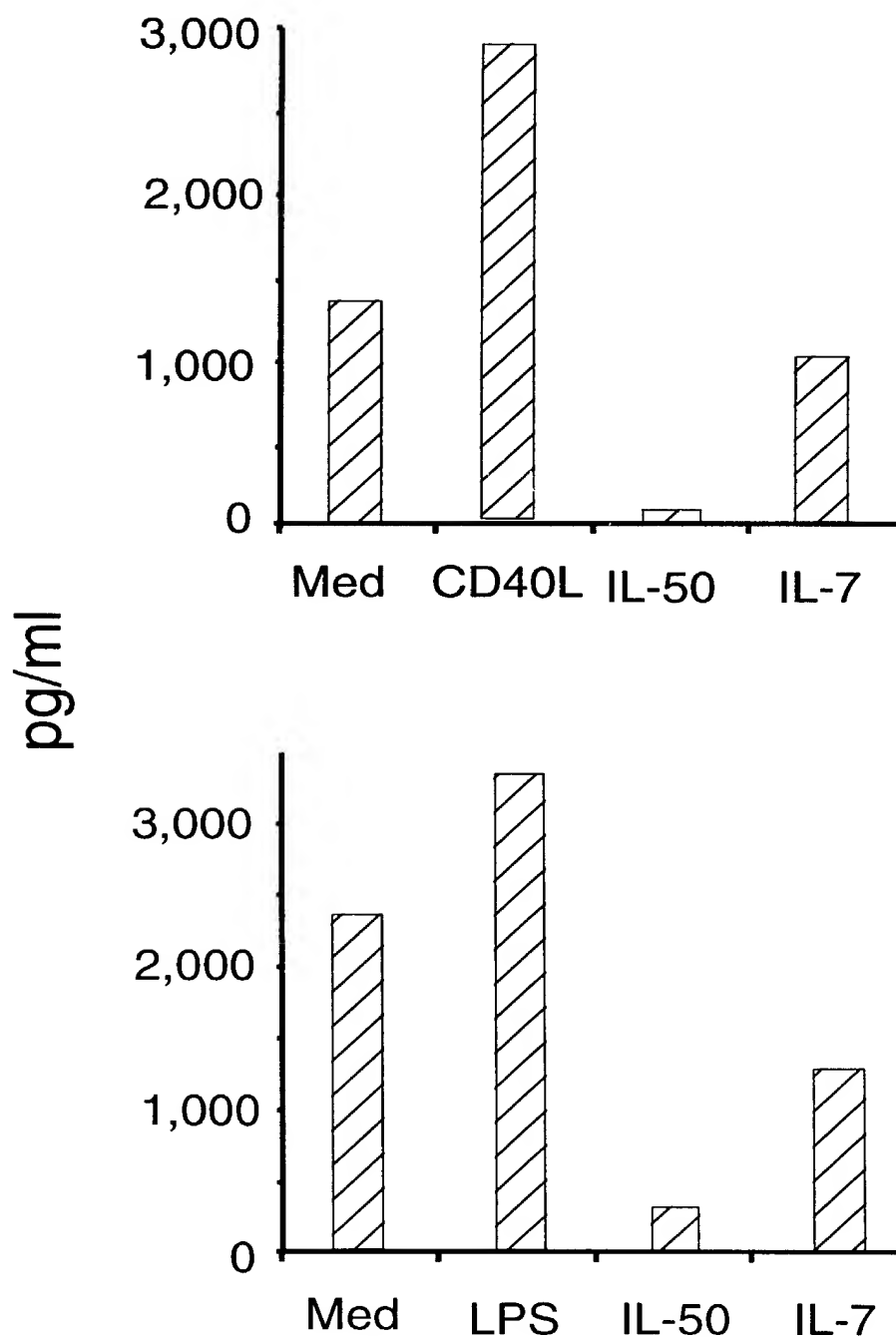


FIG. 9D

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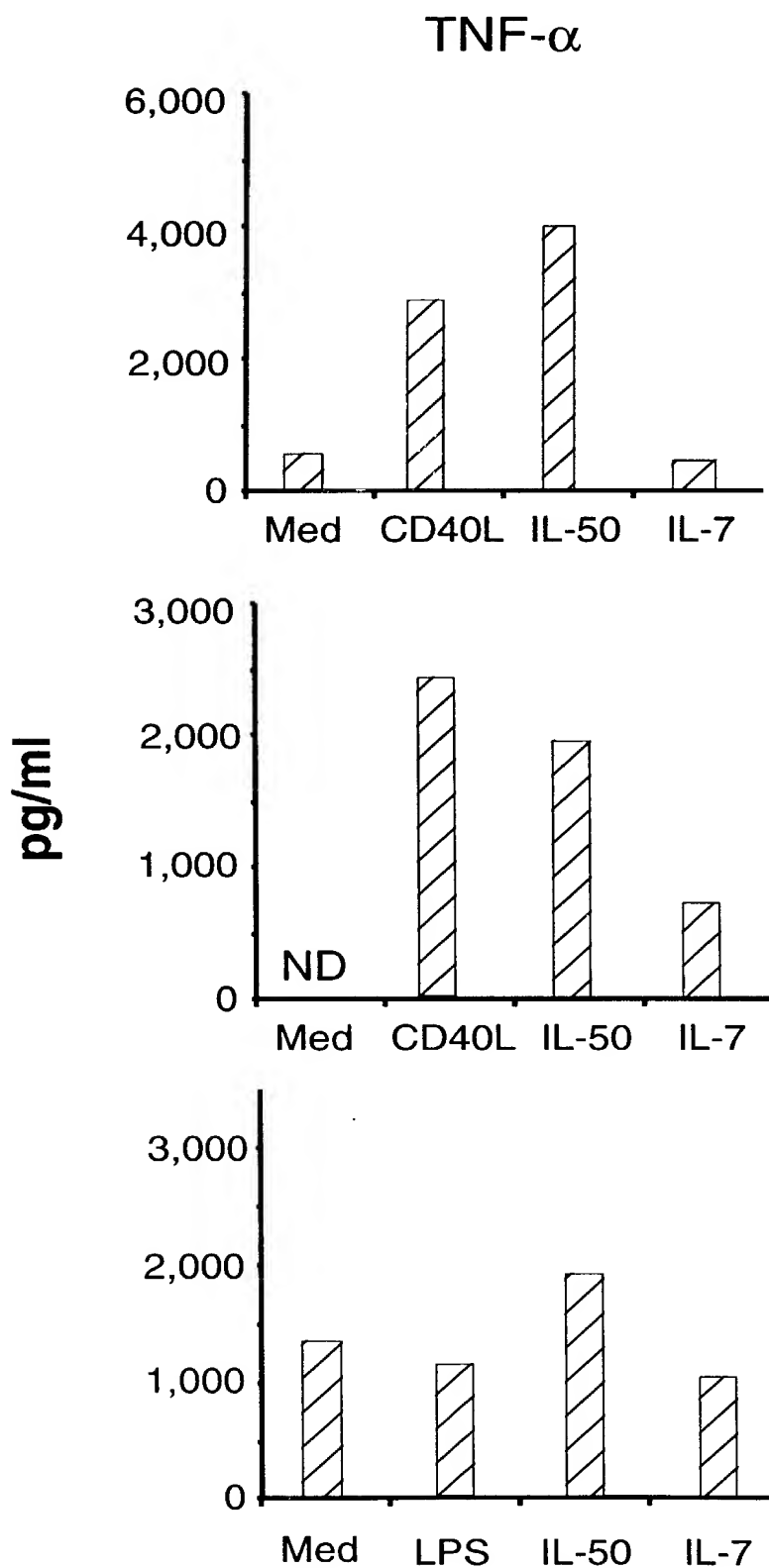


FIG. 9E

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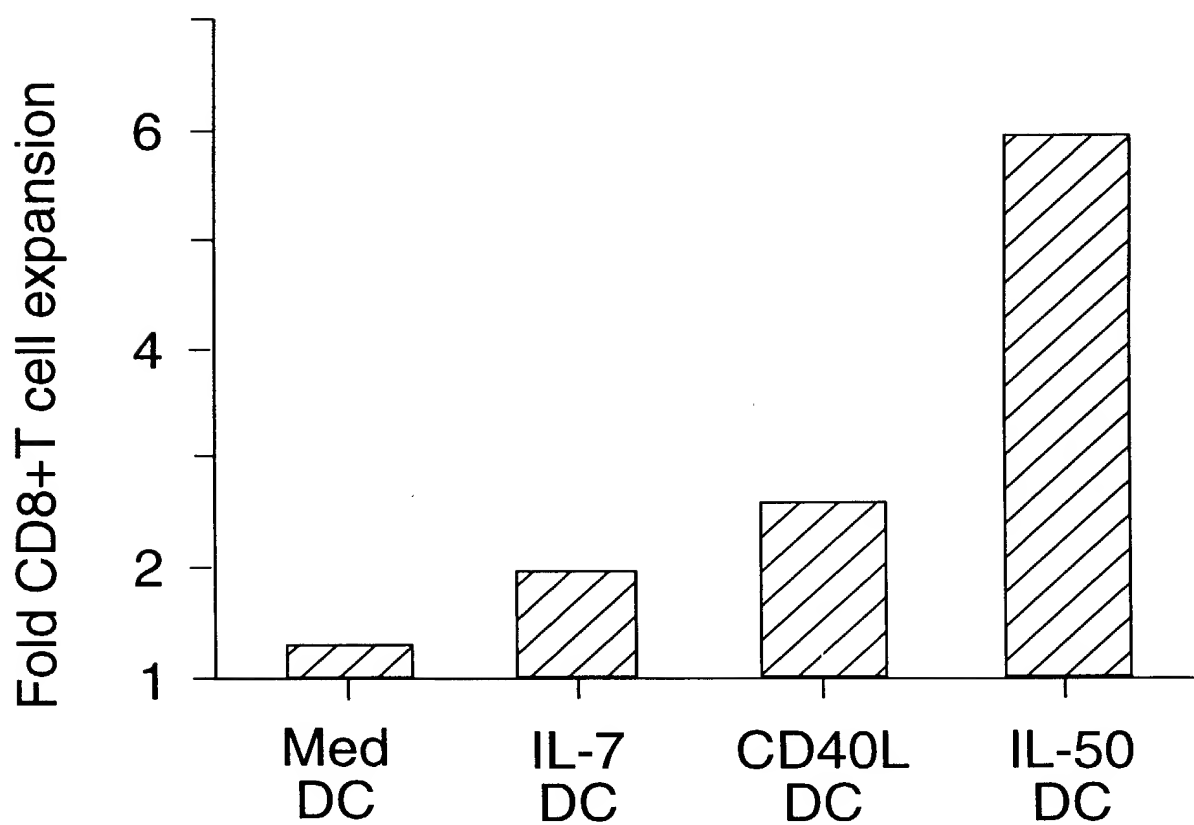


FIG. 10

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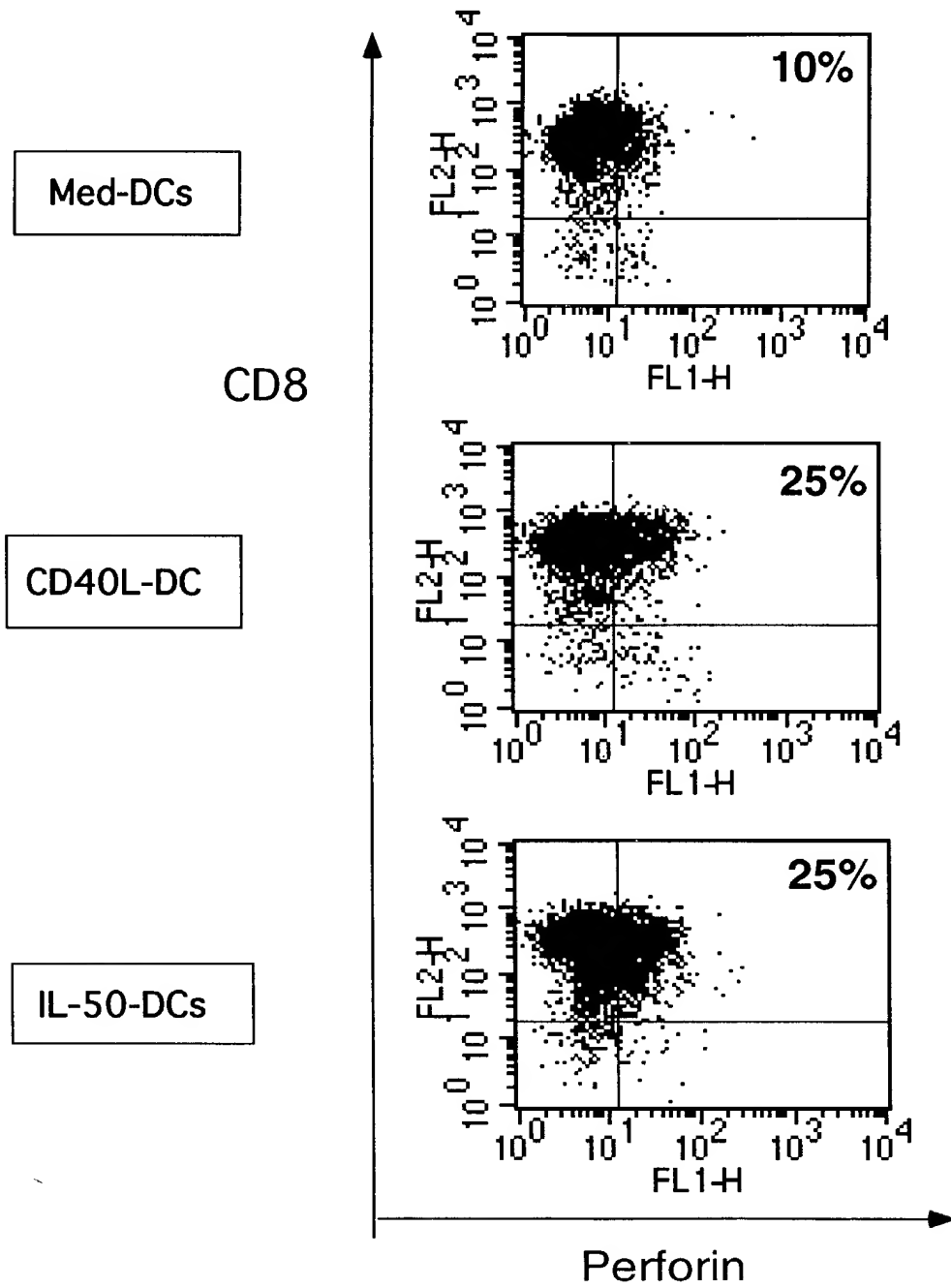


FIG. 11

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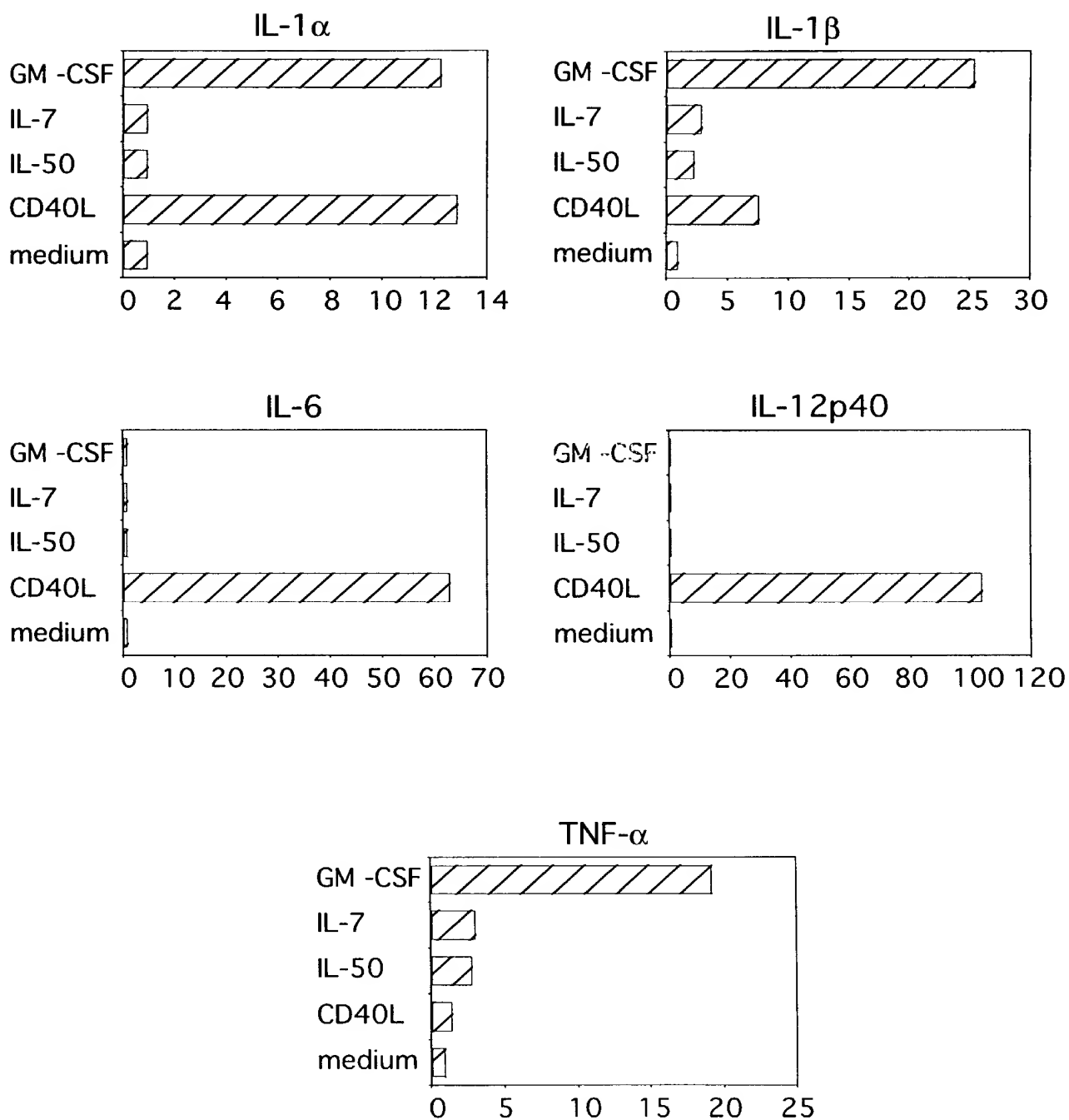
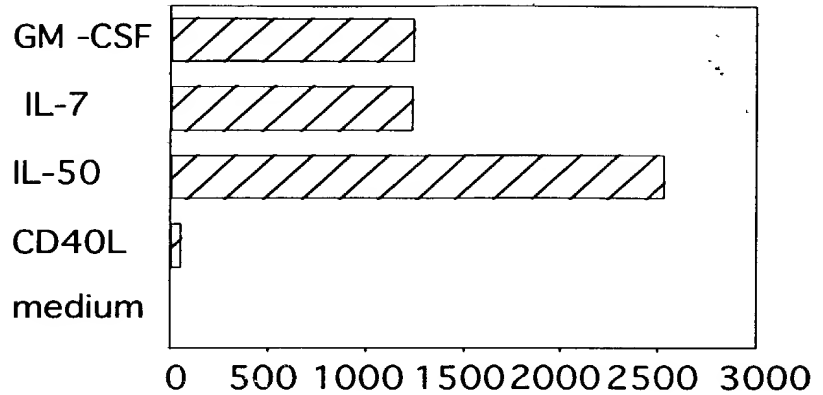


FIG.12A

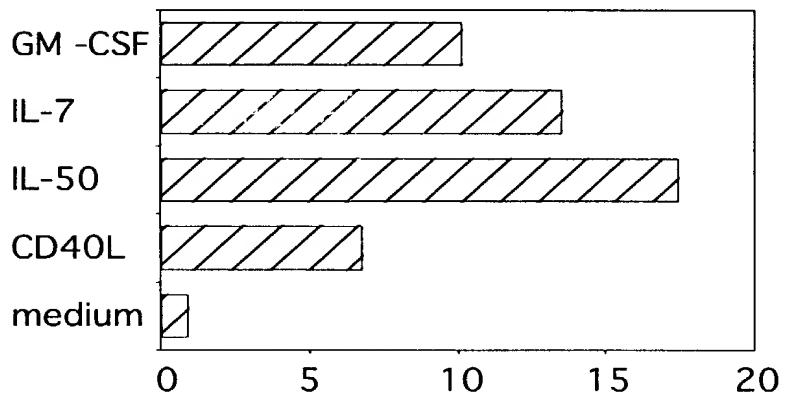
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Th2

TARC



MDC



DC+Naive



MIP3-beta

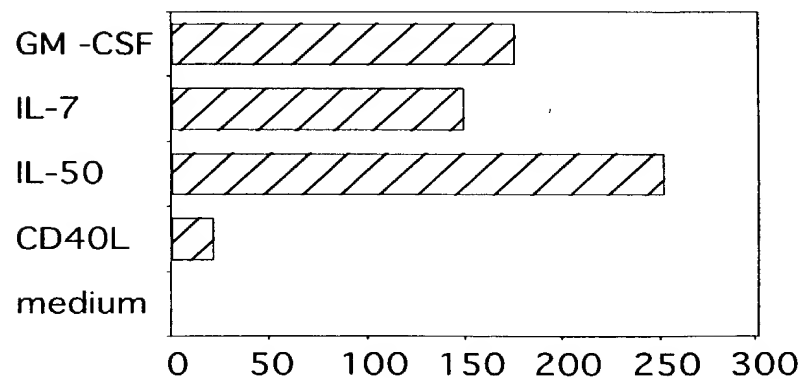
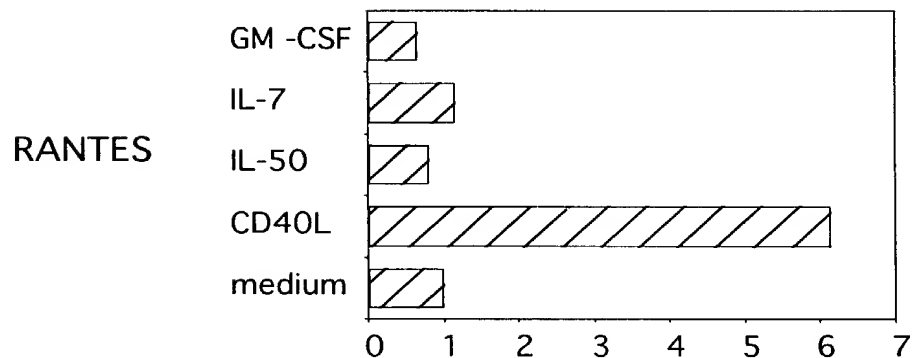
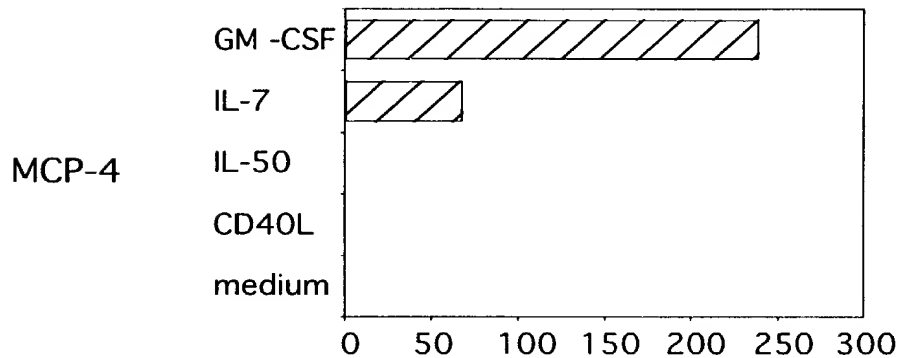
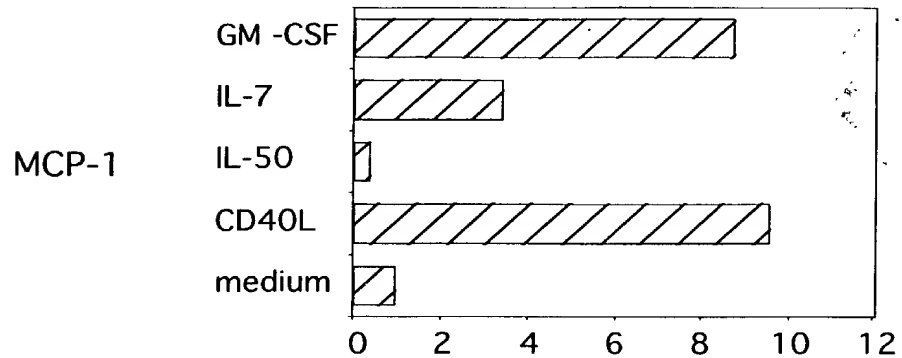


FIG. 12B

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Th2+Th1



Th1

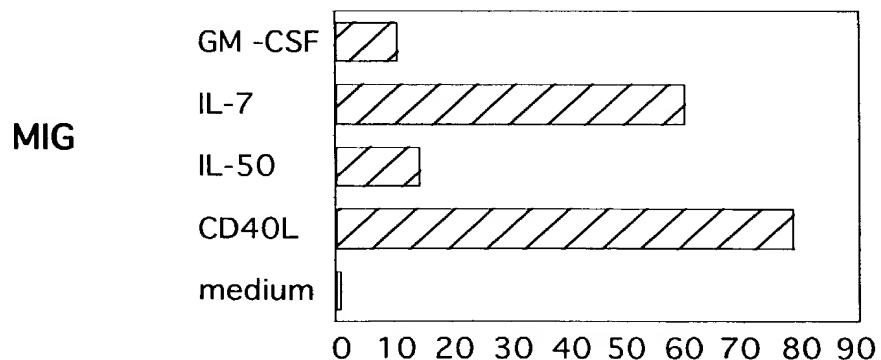


FIG. 12C

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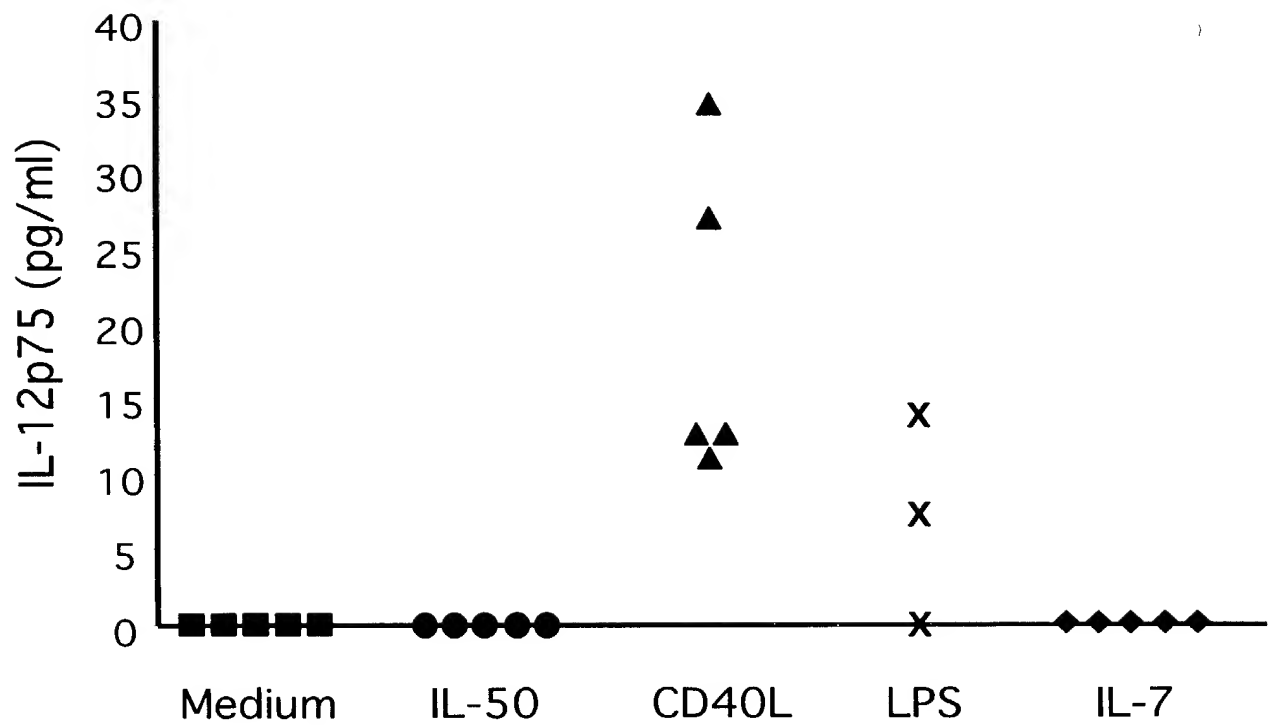


FIG. 13